



HAEMATOLOGY AND BLOOD TRANSFUSION – I

(Revised Scheme – 2)

Q.P. CODE: 9813

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

Section A and section B are to be written in same Answer Book

Section A – Haematology and Clinical Pathology [50 marks]

LONG ESSAY

2 X 10 = 20 Marks

1. Classify myeloproliferative disorders. Describe the clinical features, peripheral smear and bone marrow findings in Chronic Myeloid Leukemia.
2. What are the indications for bone marrow aspiration biopsy? Describe the technique, transportation and smear preparation of bone marrow aspiration biopsy.

SHORT ESSAY

5 X 6 = 30 Marks

3. Write the principle, procedure and significance of indirect Coomb's test.
4. Peripheral blood smear in sickle cell anemia and tests done to diagnose.
5. Explain Leukemoid reaction.
6. What is Hemolytic disease of the new born? Mention investigations of a case of Hemolytic disease of new born.
7. Write the collection, transport and examination of Body fluids.

Section B – Immunopathology and Medical Genetics [50 marks]

LONG ESSAY

2 X 10 = 20 Marks

8. Describe the etiopathogenesis of autoimmune diseases. Write the classification of autoimmune diseases.
9. Give an overview of Mendel's law of inheritance and the chromosomal basis of inheritance.

SHORT ESSAY

5 X 6 = 30 Marks

10. Describe buccal smear study and staining methods for Barr body.
11. Delayed type hypersensitivity with examples.
12. Classify immunodeficiency diseases with a note on AIDS.
13. Mention the abnormalities of sex chromosomes. Write a note on Turner's syndrome.
14. Describe X-linked inheritance with one example.

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